Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Wednesday 27 Sep 2023 until 23:59 on Thursday 28 Sep 2023

Forecast Issued on Wednesday 27 Sep 2023 at 03:30

Confidence: High confidence in Storm Agnes bringing strong winds and some heavy rain on Wednesday.

Headline for Wednesday 27 Sep 2023: Increasingly wet and windy with gale force winds and heavy outbreaks of rain.

Mountain weather hazards on Wednesday 27 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Medium Likelihood
Gales High Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Heavy Rain	Heavy rain showers	Heavy rain showers	Heavy Rain	Light rain
Precipitation probability					
10%	60%	70%	70%	70%	60%

Forecast for Wednesday 27 Sep 2023

Weather: A cloudy start with outbreaks of showery rain from later into the morning as Storm Agnes arrives from the west. Rain persisting on and off into the day with the best of any drier spells always across sheltered eastern areas. Winds steadily increasing through the day with the strongest winds peeking into the evening. Gale force southerly gusts likely over the peaks.

Chance of cloud-free hill tops above 600m: 60% during the morning, improving to 80% by the afternoon.

Low cloud and visibility: Cloud bases generally above the tops, but scattered to broken bases down to 400-500m developing during the morning for a time as the rain sets in. Good visibility in the early morning becoming moderate to poor in rain and very poor in cloud.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Wednesday 27 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/19 SE	24/30 SE	29/39 SE	31/41 SE	32/43 S	37/49 SW	38/51 SW
300	11/19 SE	21/28 SE	26/38 SE	26/38 SE	25/36 S	28/41 S	29/42 SW
Valley	5/15 SE	13/26 SE	16/36 SE	19/40 SE	17/37 S	19/40 S	20/41 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/9	10/7	12/8	13/8	13/8	11/6	11/6
300	12/10	13/9	14/10	16/11	16/11	14/9	13/8
Valley	11/10	14/11	15/12	16/13	16/13	14/11	14/10
Freezing Level*	1900m	2400m	2600m	2700m	2700m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Some poor conditions likely on the hills with very strong winds, up to severe gales possible, locally stronger than what is mentioned in the tables above over peaks and ridges.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Wed 27 Sep 2023	0mm	0.2mm	0.2mm

Forecast for Thursday 28 Sep 2023

Weather: A cloudy start with any showers probably easing and clearing by dawn. Thursday then mostly fine but remaining windy and thickening cloud is likely to bring further rain from the south and west in the evening period.

Maximum wind: South-westerly 30-35mph gusting 40-45mph, easing somewhat during the day.

Chance of cloud-free hill tops above 600m: 90% becoming 60% in the evening.

Low cloud and visibility: Cloud mostly above summits though the day. More widespread low cloud by the evening with scattered bases down to 400-500m. Generally good visibility until later rain arrives.

Temperature: **Valleys:** Plus 9 Celsius becoming plus 17 Celsius.
At 600m: Plus 8 Celsius becoming plus 12 Celsius.
Freezing level: Well above summits.

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